

Abstract of the Disclosure

ENGINE VALVE ACTUATION SYSTEM

A valve actuation system is provided. The system has an engine valve moveable between a first position at which the engine valve prevents a flow of fluid relative to the engine valve and a second position at which fluid flows relative to the engine valve. The system also has a first cam adapted to move the engine valve from the first position to the second position during a first lift period in response to a rotation of the first cam. The system has a second cam adapted to move the engine valve from the first position to the second position during a second lift period in response to a rotation of the second cam. The system also has a cam following assembly disposed between the first and second cams and the engine valve. The cam following assembly is adapted to selectively connect one of the first and second cams with the engine valve to thereby move the engine valve through one of the first and second lift periods.